

**Patent Claims**

1. Diagonally twisted sole (3) consisting of an  
5 undersole (12) and of a midsole bottom (11), the  
latter being connected to the undersole (12), and  
various hard inserts (15) being introduced into  
the undersole (12), and the undersole (12) being  
closed off by a hard and abrasion-resistant sole  
10 bottom (13), wherein a twisted plate (16) is built  
into the sole (3) consisting of midsole bottom  
(11), undersole (12) and sole bottom (13), and  
forms, together with the undersole (12), a midsole  
(12, 16).
- 15 2. Diagonally twisted sole (3) according to Claim 1,  
wherein the midsole (12, 16) consists of a several  
parts.
- 20 3. Diagonally twisted sole (3) according to Claim 1,  
wherein the twisted plate (16) is connected to the  
sole bottom (13), such that the sole bottom (13)  
has the same twisted form.
- 25 4. Diagonally twisted sole (3) according to Claim 1,  
wherein the twisted plate (16) is connected to the  
midsole bottom (11), such that the midsole bottom  
(11) has the same twisted form.
- 30 5. Diagonally twisted sole (3) according to Claim 1,  
wherein the twisted plate (16) has different  
thicknesses at different places.
- 35 6. Diagonally twisted sole (3) according to Claims 1,  
2 and 5, wherein, in the heel area (A), between  
midsole bottom (11) and sole bottom (13), the  
undersole (12) forms, transverse to the walking  
direction and to the horizontal (H), an inwardly  
thickening wedge, and, in the toe area (Z),

5        between midsole bottom (11) and sole bottom (13), the undersole (12) forms, transverse to the walking direction and to the horizontal (H), an outwardly thickening wedge, and the wedge-shaped configuration from the heel area (A) to the toe area (Z) merges with a defined profile from one form into the other.

10        7. Diagonally twisted sole (3) according to Claims 1, 2 and 5, wherein, in the heel area (A), between midsole bottom (11) and sole bottom (13), the undersole (12) forms, transverse to the walking direction and to the horizontal (H), an outwardly thickening wedge, and, in the toe area (Z), 15        between midsole bottom (11) and sole bottom (13), the undersole (12) forms, transverse to the walking direction and to the horizontal (H), an inwardly thickening wedge, and the wedge-shaped configuration from the heel area (A) to the toe area (Z) merges with a defined profile from one 20        form to the other.